TOSHIBA SCHOTTKY BARRIER RECTIFIER SCHOTTKY BARRIER TYPE

U1FWJ44M

HIGH SPEED RECTIFIER APPLICATIONS

• Low Forward Voltage $: V_{FM} = 0.45V (Max)$ Low Reverse Current : $I_{RRM} = 0.5 \text{mA (Max)}$ Average Forward Current : IF(AV) = 1.0A• Repetitive Peak Reverse Voltage $: V_{RRM} = 30V$

MAXIMUM RATINGS (Ta = 25°C)

| CHARACTERISTIC | SYMBOL | RATING | UNIT |
|--|---------------------|-----------|------|
| Repetitive Peak Reverse Voltage | V_{RRM} | 30 | V |
| Average Forward Current | I _{F (AV)} | 1.0 | Α |
| Peak One Cycle Surge Forward Current (Non-Repetitive) | I _{FSM} | 20 (50Hz) | Α |
| Junction Temparature | Tj | -40~125 | °C |
| Storage Temparature Range | T _{stg} | -40~125 | °C |

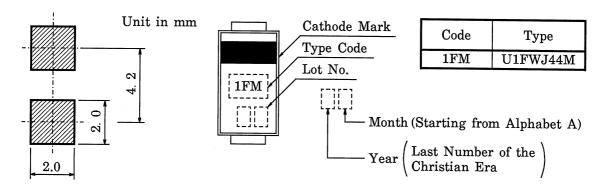
Unit: mm 1.5 ± 0.2 2.4 ± 0.2 1. ANODE 2. CATHODE **JEDEC** JEITA **TOSHIBA** 3-4D1A

Weight: 0.06g

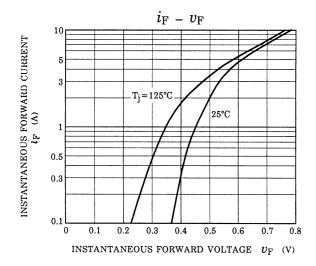
ELECTRICAL CHARACTERISTICS (Ta = 25°C)

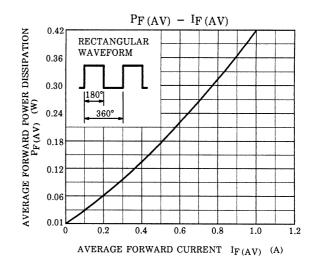
| CHARACTERISTIC | SYMBOL | TEST CONDITION | MIN | TYP. | MAX | UNIT |
|---------------------------------|------------------|--------------------------------|-----|------|------|------|
| Peak Forward Voltage | V_{FM} | I _{FM} = 1.0A | _ | _ | 0.45 | V |
| Repetitive Peak Reverse Current | I _{RRM} | V _{RRM} = 30V | _ | _ | 0.5 | mA |
| Junction Capacitance | Cj | V _R = 10V, f = 1MHz | _ | 60 | _ | pF |

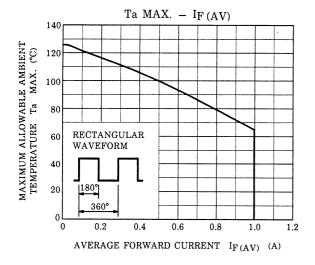
STANDARD SOLDERING PAD **MARKING**

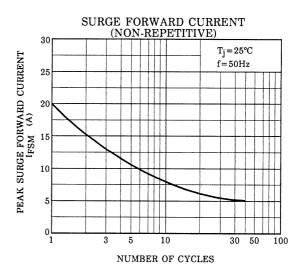


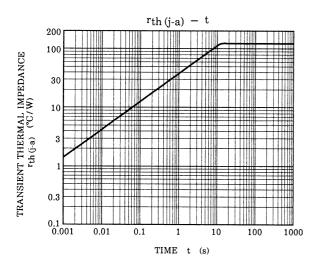
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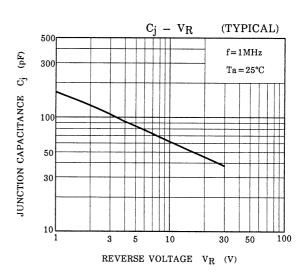




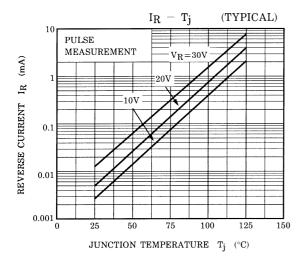


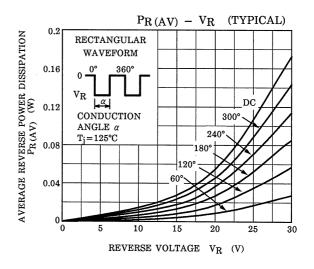






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